

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.4340002

APPLICATION NO.
09/472,067

APPLICANT
HU *et al.*

FILING DATE
December 23, 1999

GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	4,403,036 ✓	09/06/1983	Hartley, J.L. <i>et al.</i>	435	317	12/02/1980
	AB1	4,415,732 ✓	11/15/1983	Caruthers, M.H. <i>et al.</i>	536	27	03/27/1981
	AC1	4,458,066 ✓	07/03/1984	Caruthers, M.H. <i>et al.</i>	536	27	03/24/1981
	AD1	4,500,707 ✓	02/19/1985	Caruthers, M.H. <i>et al.</i>	536	27	03/16/1982
	AE1	4,668,777 ✓	05/26/1987	Caruthers, M.H. <i>et al.</i>	536	27	08/06/1984
	AF1	4,900,659 ✓	02/13/1990	Lo, A. <i>et al.</i>	435	6	01/30/1986
	AG1	4,900,677 ✓	02/13/1990	Hewitt, P.L.	435	259	09/26/1986
	AH1	4,935,357 ✓	06/19/1990	Szybalski, W.	435	91	02/05/1986
	AI1	5,030,566 ✓	07/09/1991	Son, M. <i>et al.</i>	435	91	01/04/1989
	AJ1	5,108,179 ✓	04/28/1992	Myers, S.A.	356	344	08/09/1989
	AK1	5,302,510 ✓	04/12/1994	Klevan, L.	435	6	07/27/1992

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL1	JP 63-113359 ✓	05/18/1988	Japan			Yes No
	AM1	WO 91/18095 ✓	11/28/1991	WIPO			Yes No
	AN1	EP 0 466 404 A1 ✓	01/15/1992	Europe			Yes No
	AO1	WO 93/14224 ✓	07/22/1993	WIPO			Yes No
	AP1	WO 94/02647 ✓	02/03/1994	WIPO			Yes No

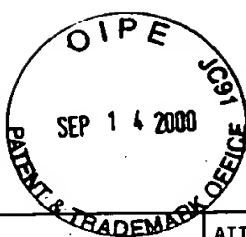
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	1	✓	Bayou Biolabs (Harahan, LA) Products for Molecular Biology 1998 Catalog, "DNA Ladders," pp. 2-7.
AS	1	✓	Bernards, A., <i>et al.</i> , "Pulsed field gradient electrophoresis of DNA digested in agarose allows the sizing of the large duplication unit of a surface antigen gene in trypanosomes," <i>Chemical Abstracts</i> 105:187, Abstract No. 92470r (1986).
AT	1	✓	BRL/Life Technologies Package Insert, "DNA Analysis Marker System" (1990).

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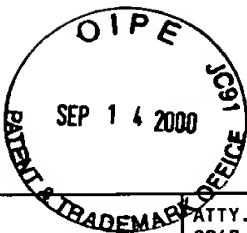
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
83 ↓	AA2	5,316,908 ✓	05/31/1994	Carlson, D.P. <i>et al.</i>	435	6	07/13/1990
	AB2	5,714,326 ✓	02/03/1998	Dawson, E.P.	435	6	12/05/1994
	AC2	5,792,664 ✓	08/11/1998	Chait, B.T. <i>et al.</i>	436	89	06/07/1995
	AD2	5,840,575 ✓	11/24/1998	Hyman, E.D.	435	320.1	01/10/1997
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
83 ↓	AL2	WO 95/11971 ✓	05/04/1995	WIPO PCT	—	—	Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
83 ↓	AR	2 ✓	Carman, W.F., and C. Williamson, "Detection of Enzymatically Amplified Human Immunodeficiency Virus DNA by Oligonucleotide Solution Hybridization and by Incorporation of Radiolabeled Deoxynucleotides," <i>J. Clin. Microbiol.</i> 27:2570-2573 (1989).
	AS	2 ✓	GenBank Accession No. J02459, "Bacteriophage Lambda whole Genome," April 23, 1996.
	AT	2 ✓	Gensura Laboratories, Inc. Product List Winter 1997-98 for "Superladder dsDNA Markers," including "Superladder-low," "Superladder-mid 1,2," and "Superladder-high." (3 pages)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
83	AR	3	Gralla, J.D., "Rapid 'footprinting' on supercoiled DNA," <i>Proc. Natl. Acad. Sci. USA</i> 82:3078-3081 (1985).
↓	AS	3	Huang, J. et al., "Restriction endonuclease analysis of granulosus virus DNA of <i>Agrotis exclamationis</i> Linnaeus," <i>Chemical Abstracts</i> 107:175, Abstract No. 34093a (1987).
↓	AT	3	Invitrogen (Carlsbad, CA) 1997 Product Catalog, "DNA Molecular Weight Markers," p. 113.

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	AL						Yes No
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

83	AR	4	Jones, C.P. et al., "Separation of yeast chromosomes in the megabase range suitable as size markers for pulsed-field gel electrophoresis," <i>Chemical Abstracts</i> 112:172, Abstract No. 230760h (1990).
↓	AS	4	Life Technologies 1995 Gibco BRL Catalog, pp. 14-2, 14-6, 15-14, R-90 (1995).
↓	AT	4	Life Technologies 1997 Gibco BRL Catalog, p. 16-2 (1997).

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	AP						Yes No

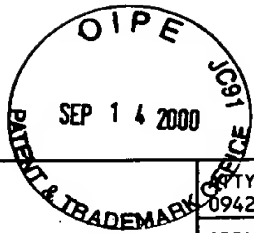
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J3	AR	5	Life Technologies, Inc. (Gaithersburg, MD) GIBCO BRL 1997/1998 Products and Reference Guide, "500 bp Ladder" and "1 Kb DNA Ladder," p. 16-5.
↓	AS	5	Mathew, M.K. <i>et al.</i> , "High-Resolution Separation and Accurate Size Determination in Pulsed-Field Gel Electrophoresis of DNA. 1. DNA Size Standards and the Effect of Agarose and Temperature," <i>Biochemistry</i> 27:9204-9210 (1988).
↓	AT	5	Minter, S. and P. Sealey, "Appendix I: Nucleic Acid Molecular Weight Markers," In: <i>Gel Electrophoresis of Nucleic Acids: A Practical Approach</i> , Rickwood, D. and B.D. Hames, eds., IRL Press, Washington, D.C., pp. 227-232 (1982).

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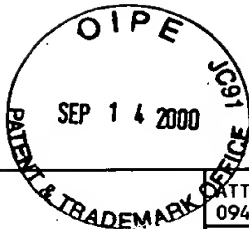
83	AR	6	Novagen 1997 Catalog, Published by Novagen, Milwaukee, WI, pp. 4-5, 115-117.
↓	AS	6	Pharmacia LKB Biotechnology (Piscataway, NJ), 1990 Molecular and Cell Biology Price List, "Molecular Weight Markers," p. 23.
↓	AT	6	Pharmacia Biotech (Piscataway, NJ) 1997 Biodirectory Product Catalog, "KiloBase DNA Marker," p. 58.

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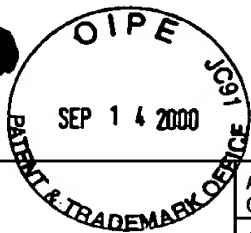
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

83	AR	Z	✓	Promega (Madison, WI), 1990 Products Catalog, "Lambda <i>Eco</i> RI Markers," p. 238.
↓	AS	Z	✓	Promega (Madison, WI), 1997 Biological Research Products Catalog, "1kb DNA Ladder," p. 17.
↓	AT	Z	✓	Sigma (St. Louis, MO), 1997 Biochemicals and Reagents for Life Science Research Catalog, "DNA/RNA Analysis Products," p. 1530.

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0942.4340001APPLICATION NO.
09/048,242APPLICANT
HU *et al.*FILING DATE
March 26, 1998GROUP
1643

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

83	AR	8	✓	Stratagene (La Jolla, CA), 1988 Catalog, pp. 55-57, 100, 123.
↓	AS	8	✓	Stratagene (La Jolla, CA) 1997/1998 Catalog, "Kb DNA Ladder," p. 130.
↓	AT	8	✓	Dialog File 351, English language abstract of Japanese Patent No. 63-113359 (Doc. AL1), Derwent WPI Accession No. 88-177809/26 (1988).

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